

# Cometary Cell C2104

## Images

**Aerogel Cell:** [C2104-01.jpg](#)  
[C2104\\_T1\\_20x.jpg](#)

**Cell History:** Cell C2104 was removed from the cometary grid on January 25, 2007 without incident. Cell transferred to White Sand remote storage facility as a posterity sample.

**Track Information:** The tile has three easily visible tracks and several other smaller ones.

## Feature Images

## Allocation History

## Log Entries

**Note:** All track / features (e.g., T1) numbers assigned during the Level 3 scanning are to be considered “*Temporary*” and in do not relate to the “Official” track number that is assigned when a given features is extracted (e.g., Keystoned) from a tile. Abbreviations: EH – Entrance Hole, TP – Terminal Particle, MTW – Maximum Track / Bulb Width, TL – Track Length.

**Level 2** examination of C2104 was conducted on February 24, 2006. Nothing unusual or out of the ordinary reported.

### Level 3

**February 22, 2007**  
**J. Warren**

#### C2104

Doing the Top photos first with Backlight.

7x completed @ 14:00

20x completed @ 14:30

**February 27, 2007**  
**J. Warren & T.H. See**

#### C2104

Began taking Depth Profiles @ ~ 9:35.

Completed Depth Profiles at 10:00.

Transitioned to do tracks.

## Tracks

C2104-Te – Located 3.5 x 17.6 mm. Camera blocked by left end of tile and Level 3 fixture. Will image and measure from reverse side.

C2104-Ta – Located 5.3 x 13.1 mm. Type C track. EH ~ 230, MBW ~ 1190  $\mu\text{m}$ . TL 2630  $\mu\text{m}$ .

C2104-Tc – Located 5.3 x 5.3 mm. Type A carrot. EH ~ 182, MBW 400  $\mu\text{m}$ . TP 12.5 x 19  $\mu\text{m}$ . May be another particle 100  $\mu\text{m}$  further up the track. If so, it appears to measure ~ 10  $\mu\text{m}$  in size. BL ~ 1300  $\mu\text{m}$ . TL = 3540  $\mu\text{m}$ .

C2104-Tf – Located 10.5 x 4.4 mm. Type B. EH~32.5, MBW ~ 118, TL 500, 400, 375, BL 320  $\mu\text{m}$ . Tp-1 ~ 10, TP-2 ~ 6 and TP-3 ~ 9  $\mu\text{m}$ . Bottom of bulb should hold several more particles.

C2104-T1 – Located 29.9 and 1.5 mm. Type A carrot. EH ~ 66, MBW ~ 100, BL ~ 354, TL 777, TP ~ 8  $\mu\text{m}$ .

C2104-Tb – Located 33.2 x 1.4 mm. Type B. EH ~ 360, MBW ~ 608, BL ~ 1020, TL-1 ~ 1565, TL-2 ~ 1177, TP-1 ~ 15, and TP-2 ~ 11  $\mu\text{m}$ .

C2104-T2- Located 3.4 x 15 mm. Type B. EH ~ 65 $\mu\text{m}$ . MBW ~ 112. Found this from the top view and could not get good lengths.

C2104-Td – Located 16.7 x 18.8 mm. The back side of the Aerogel is splitting OFF and it split right down the middle of this track. MBW looks to have been 250  $\mu\text{m}$ . This was measured @ 80x and the eye piece with each mark being 8  $\mu\text{m}$ .

Will finish up tomorrow. Going to take some photos from the back.

## February 28, 2007 J. Warren & T.H. See

Starting with C2104-T1 and doing a backside photo and measurements: TL= 3310, MBW ~ 264, and BL ~ 1180  $\mu\text{m}$ . Type A, TP ~ 25 $\mu\text{m}$ .

C2104-Ta: backside view; BL ~ 2677 and MBW ~ 1287

C2104-T2-b, 2<sup>nd</sup>, taken from backside: BL ~ 240, TL ~ 315, MBW 120. You have three very small tracks coming out the bottom. I mean very small. Could be classified as Type B. This photo from the back was from above the surface at a 20 degree slant.